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	Application No.	Applicant(s)	
`\	10/716,549	SAMUKAWA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	lan J. Lobo	3662	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not included will be mailed in due course. THIS	
1. This communication is responsive to			
2. The allowed claim(s) is/are <u>1-9</u> .			
3. The drawings filed on 20 November 2003 are accepted by	the Examiner.		
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a)			
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 11/20/03 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☐ Examiner's Amendn	ė	

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The instant claims, and more specifically independent claims 1 and 6 are allowable over the prior art of record in the combination of a radar sensor, means for grouping reflected beams, means for detecting an obstacle based upon a target model, a speed sensor, and a means for calculating the radius of a curved road on which a vehicle travels and in specifics of the grouping means. With respect to claim 1, what is not disclosed or obvious over the prior art of record is in the grouping means that sets a reference distance according to a detected traveling speed of the vehicle and calculates a reference angle made between a reference angular direction connecting a point set on the curved road, the point being apart from the vehicle by the reference distance, and the traveling direction of the vehicle. With respect to claim 6, what is not disclosed or obvious over the prior art of record is in the grouping means that sets a reference angular direction extending from the vehicle to the obstacle that is being observed continuously for a predetermined number of reflecting dots to be grouped into the target model from the reflecting dots located closer to the reference angular direction, if the calculated radius of the curved road is smaller than a predetermined value.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably Art Unit: 3662

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ian J. Lobo whose telephone number is (703) 306-4161. The examiner can normally be reached on Monday - Friday, 6:30 - 3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas H. Tarcza can be reached on (703) 306-4171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

lan J. Lobo Primary Examiner

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